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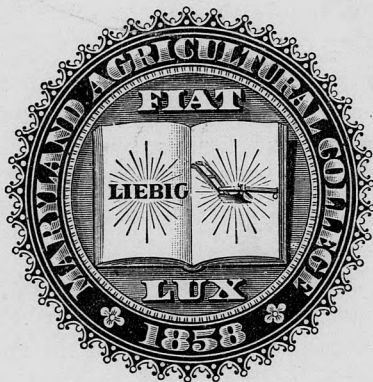
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ADDRESS

**Chemical Department, Maryland Agricultural College,
COLLEGE PARK, MD.**

ANALYSIS OF COMMERCIAL FERTILIZERS SOLD IN MARYLAND

BY THE CHEMICAL DEPARTMENT OF THE
MARYLAND AGRICULTURAL COLLEGE.

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The tables on the following pages are made up of the results of the analysis of fertilizers made at the College from March, 1900, to July, 1900, inclusive, the most of the samples were collected during March, April and May.

The figures in the columns headed "Ammonia," "Potash" and "Phosphate Acid" are percentages, or pounds per hundred. To get pounds per ton multiply the figures by 20. The columns headed "Found" contain the results found by analysis; those headed "Guaranteed" contain the essential part of the guarantee as stamped on the bags.

The columns headed "No." contain the respective numbers by which the samples are known in the laboratory. In writing to the Chemical Department in regard to analysis the number should always be given. The samples are numbered consecutively on the books of the office, but are arranged alphabetically for publication, which accounts for the mixing up of the numbers.

"The "comparative value found" and the "comparative value guaranteed" are calculated, the former from the analysis found, the latter from the analysis guaranteed on the bags, using the following schedule.

In Mixed Fertilizer:			
For Nitrogen, calculated as Ammonia.....	15	cts.	per pound.
" Potash (K_2O), in forms free from muriate.....	6	"	" "
" Potash (K_2O), as muriate.....	5	"	" "
" Available Phosphoric Acid.....	5	"	" "
" Insoluble Phosphoric Acid.....	2	"	" "
" " " when from S. C. Rock.....	1	"	" "
In Dissolved S. C. Rock:			
Available Phosphoric Acid.....	4	"	" "

In Ground Bone:

For Nitrogen, calculated as Ammonia, in "Fine" Bone.....	14	cts.	per pound.
" Nitrogen, calculated as Ammonia, in "Fine Medium" Bone.....	12	"	" "
" Nitrogen, calculated as Ammonia, in "Medium" Bone.....	10	"	" "
" Nitrogen, calculated as Ammonia, in "Coarse" Bone.....	8	"	" "
" Phosphoric Acid in "Fine" Bone.....	5	"	" "
" " " " "Fine Medium" Bone.....	4	"	" "
" " " " "Medium" " ".....	3	"	" "
" " " " "Coarse" " ".....	2	"	" "

In Tankage and Ground Fish:

For Nitrogen, calculated as Ammonia.....	12	"	" "
" Phosphoric Acid.....	3	"	" "

In using the above schedule *all fertilizers containing less than 1 per cent. of ammonia will be given the rock valuation of 4 cents per pound on the available phosphoric acid.*

The "comparative values" given in the table are not claimed to be the proper prices to be paid for the various fertilizers at the place of sale or use; this varies considerably, depending on the market prices of the ingredients, freight, commissions, size of order, cash or credit, &c.

A mechanical analysis is made of ground bones, the results will be found in a separate table, following the table of chemical analysis. The mechanical analysis shows the fineness of the bone, and is determined by sifting through a series of sieves with circular perforations (instead of the usual wire) as follows:

Bone passing through 1-50 inch is "Fine."

Between 1-50 and 1-25 inch is "Fine-Medium."

Between 1-25 and 1-12 inch is "Medium."

All which will not pass the 1-12 inch is "Coarse."

Each grade is given its own valuation on both phosphoric acid and ammonia; the chemical composition of each grade being assumed to be uniform.

The finer bone is ground the quicker it dissolves in the soil. Guarantees should be as simple as possible. In Dissolved S. C. Rock, or acid phosphate, all that is needed is the available phos. acid, which should be not less than 14 per cent.

In mixtures of Acid Phosphate and Kainit or other Potash Salt, the per cent of Potash should be added, making the essential guaranteed analysis as follows:

Available phosphoric acid.....	.....
Potash.....	.....

In complete fertilizers the ammonia or nitrogen is added, giving:

Available phosphoric acid.....	.....
Potash.....	.....
Ammonia.....	.....

Insoluble Phos. Acid may be added. The "Total" is simply the sum of the available and insoluble. (The "available" is the sum of the "soluble" and "reverted" phos. acid.)

The guaranteed analysis of ground bone should mention only the total Phos. acid and ammonia (or nitrogen).

"Bone Phosphate" is simply the phos. acid multiplied by 2 1-5 and given over again in that form.

It is unlawful to print a maximum guarantee on fertilizers in Maryland. The fine for doing so is \$100 for the first offense.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7148	The Armour Fertilizing Works, Chicago, Ill.....	All Soluble.....	Greensboro.....
7268	" " "	Ammoniated Bone, with Potash.	Baltimore.....
7262	" " "	Bone Meal.....	Baltimore.....
7145	" " "	Bone and Potash.....	Hillsboro.....
7264	" " "	Fruit and Root Crop Special	Baltimore.....
7116	" " "	Fruit and Root Crower..	Baltimore.....
7280	" " "	Grain Grower.....	Baltimore.....
7146	" " "	Tomato Grower.....	Hillsboro.....
7341	" " "	Valley Brand Tobacco Fertilizer.	Baltimore.....
7142	" " "	Wheat, Corn and Oats Special.	Easton.....
7147	Baltimore Pulverizing Co., Baltimore, Md.	Eastern Shore Corn Grower.	Denton.....
7178	" " "	Penniman's Special Guano, No. 1.	Baltimore.....
7107	" " "	Special Potato Mixture..	Baltimore.....
7199	Baltimore Seed and Implement Co., Balto., Md.	Ammoniated Bone Phosphate.	Baltimore.....
7127	*Baugh & Sons Co., Baltimore, Md.	Acid Fish.....	Beltsville.....
7230	" " "	Animal Bone and Potash	Chaptico.....
7416	" " "	Animal Bone and Potash	Charlotte Hall.....
7235	" " "	Animal Bone and Potash Compound.	Laurel Grove.....
7200	" " "	Bone Meal, Warranted Pure.	Baltimore.....
7247	" " "	Corn Fertilizer.....	Fallston.....
7128	" " "	Dissolved Bone.....	Beltsville.....
7123	" " "	Dissolved S. C. Rock....	Beltsville.....
7124	" " "	Domestic Bone Dust.....	Beltsville.....

*Correction.—In Quarterly No. 7, sample 6268, Baugh's "Special Potato Manure." was printed as being 3 per cent. ammonia, *guaranteed*. This should have been 2 per cent. The "ammonia found" was 2.64 per cent.

FERTILIZER ANALYSES.

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No.	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.	
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.			
						Found.	Guaranteed.	Found.			Guaranteed.
7148	3.62	3½	4.60	4	.70	8.12	8	8.82	10	\$23.86	\$22.50
7263	2.73	3	2.01	2	2.92	7.72	6	10.64	8	19.08	17.00
7262	3.86	3	.....	.....	.....	.....	.....	24.04	24	30.89	.....
7145	.....	.....	4.14	5	1.25	10.35	10	11.60	12	12.67	13.00
7264	2.50	2	4.72	5	2.08	8.94	8	11.02	10	21.99	19.00
7116	2.40	2	5.68	5	2.62	7.97	9	10.59	10	21.90	18.95
7280	2.07	2	2.16	2	1.40	8.87	8	10.27	10	17.80	16.00
7146	2.11	2	2.25	2	1.55	8.63	9	10.18	10	18.04	17.00
7341	3.24	2	6.65	5	.92	8.06	8	8.98	.....	24.79	19.00
7142	1.17	1	1.52	1	3.75	8.07	8	11.82	10	14.60	12.00
7147	.....	.....	2.36	2.40	1.35	10.12	9.80	11.47	.....	10.72	10.24
7178	1.82	1	1.90	1	2.52	7.21	8	9.73	.....	15.57	12.00
7107	2.09	2	4.77	4	3.05	5.40	5	8.45	.....	17.66	15.00
7199	.97	1	2.88	1½	1.97	8.09	7	10.06	8	14.67	11.90
7127	7.86	7	.....	.....	1.80	6.14	13	7.94	.....	30.44	34.00
7230	3.03	2	4.34	2	2.52	10.39	8	12.91	10½	24.82	17.00
7416	2.27	2	3.14	2	3.50	7.31	8	10.81	.....	19.29	16.00
7235	2.03	2	2.35	2	1.95	8.24	8	10.19	.....	17.46	16.00
7200	4.69	4	.....	.....	.....	.....	.....	21.56	21½	32.49	.....
7247	2.08	2	.....	.....	1.72	8.95	8	10.67	11	15.87	14.00
7128	2.76	.....	.....	.....	1.40	15.14	.....	16.54	.....	23.98	.....
7123	.....	.....	.....	.....	1.07	15.04	14	16.21	15	12.03	11.20
7124	2.55	2	.....	.....	.....	.....	.....	22.43	22	26.94	.....

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7275	Baugh & Sons Co., Balti- more, Md.	Double Eagle Phosphate	Baltimore.....
7346	" " "	Pure Dissolved Animal Bones.	Baltimore.....
7176	" " "	Fish Mixture.....	Baltimore.....
7104	" " "	General Crop Grower....	Baltimore.....
7117	" " "	Genuine German Kainit..	Beltsville.
7229	" " "	High-Grade Acid Phos- phate, or S. C. Rock.	Wicomico, Md.....
7340	" " "	High-Grade Tobacco Fer- tilizer.	Baltimore
7234	" " "	High-Grade Tobacco and Truck Fertilizer.	Leonardtown
7243	" " "	High -Grade P o t a t o Guano.	Baltimore.....
7405	" " "	Mixture.....	Glyndon.....
7125	" " "	Muriate of Potash.....	Beltsville.....
7231	" " "	New Process 10 Per Cent. Guano.	Leonardtown.....
7126	" " "	Nitrate of Soda.....	Beltsville.....
7233	" " "	6 Per Cent. Peruvian Guano.	Leonardtown.....
7105	" " "	Potato Fertilizer.....	Baltimore.....
7113	" " "	Potato Manure	Baltimore.....
7322	" " "	Pure Dissolved Animal Bone.	Fairview
7286	" " "	Soluble Alkaline Super- Phosphate.	Keedysville.....
7274	" " "	Special Potato Manure..	Baltimore.....
7118	" " "	Tankage	Beltsville
7186	" " "	Tomato Compound.....	Baltimore.....
7332	" " "	The Old Stand By Raw Bone Super-Phos.	Baltimore.....
7164	" " "	Vegetable Compound....	Betterton.

FERTILIZER ANALYSES.

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	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value per Ton Guaranteed.	
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.			
						Found.	Guaranteed.	Found.			Guaranteed.
7275	2.19	2	1.13	1	1.90	8.24	8	10.14	.....	\$16.70	\$15.00
7346	2.72	2½	.....	.....	1.97	15.56	13	17.53	.....	24.50	20.50
7176	2.81	2	2.57	2	2.17	8.53	8	10.70	.....	20.39	16.00
7104	2.02	1	1.10	1	1.20	8.25	8	9.45	.....	16.07	12.00
7117	.....	.....	13.38	12	.....	.....	.....	.....	.....	.....	.....
7229	.....	.....	.....	.....	1.60	14.97	14	16.57	15.	11.98	11.20
7340	4.28	3	4.84	3	2.02	7.06	8	9.08	.....	26.51	20.00
7234	3.12	3	4.02	3	5.10	8.20	8	13.30	.....	23.62	20.00
7243	5.01	5	7.53	7	1.40	6.46	6	7.86	.....	29.58	28.80
7405	2.11	2½	3.40	5	3.57	11.30	8	14.87	13	23.14	22.50
7125	.....	.....	51.00	.....	.....	.....	.....	.....	.....	.....	.....
7231	9.72	10	2.99	2½	1.47	6.80	5	8.27	.....	39.53	37.50
7126	19.34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7233	6.55	6	2.76	.....	9.20	11.88	.....	21.08	.....	37.97	.....
7105	2.12	2	2.24	2	2.12	8.89	8	11.01	.....	18.33	16.00
7118	2.11	2	10.29	10	1.65	6.07	5	7.72	.....	23.35	21.00
7322	3.04	2½	.....	.....	4.25	14.43	13	18.68	16.00	25.25	21.70
7286	.....	.....	2.07	2	.77	10.73	10	11.50	.....	10.80	10.00
7274	2.05	2	11.08	10	1.60	8.05	5	9.65	7½	26.92	22.00
7118	9.14	.....	.....	.....	.....	.....	.....	2.08	.....	23.18	.....
7186	2.12	2	2.19	2	2.17	8.66	8	10.83	.....	18.08	16.00
7332	2.01	2	1.17	1	2.17	8.13	8	10.30	.....	16.19	15.00
7164	1.76	1	1.76	2	1.52	8.25	8	9.77	.....	15.89	13.00

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7161	Beck, Walker & Brown, Chestertown, Md.	Corn Super-Phosphate..	Chestertown.....
7160	" " "	Tomato Super-Phosphate	Chestertown.....
7348	C. M. Bohanan & Co., Baltimore, Md.	Leader for Tobacco and General Crops.	Baltimore.....
7224	Chas. E. Bond, Spencerville, Md.	Ground Bone.....	Spencerville.....
7330	Bradley Fertilizing Co., New York.	Niagara Phosphate.....	Mt. Zion.....
7139	T. M. Bramble & Co., Cambridge, Md.	Pea Grower.....	Cambridge.....
7140	" " "	Special Tomato Fertilizer.	Cambridge.....
7210	Brumfield & Foster, Colora, Md.	Acid Phosphate and Potash	Colora.....
7209	" " "	Ammoniated Bone Phosphate.	Colora.....
7207	" " "	Hard Times....	Colora.....
7212	" " "	Special Potato and Tomato.	Colora.....
7211	" " "	High-Grade Acid Phosphate.	Colora.....
7213	" " "	Potato Phosphate.....	Colora.....
7315	Chemical Co. of Canton, Baltimore, Md.	Baker's Dissolved Bone Phosphate.	Alesia.....
7205	" " "	Baker's Fish Guano....	Baltimore.....
7317	" " "	Baker's Pure Dissolved S. C. Bone.	Alesia.....
7316	" " "	Baker's Special Wheat, Corn & Grass Mixture.	Alesia.....
7226	" " "	Baker's Standard High-Grade Guano.	Annapolis.....
7250	" " "	Special Compound	Belair.....
7252	" " "	Dissolved Bone.....	Belair.....
7292	" " "	Harrow Brand Crop Grower.	Thurmont.....
7251	" " "	Potato Manure.....	Belair
7261	" " "	Pure Dissolved Animal Bone.	Baltimore.....

FERTILIZER ANALYSES.

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No.	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.	
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.			
						Found.	Guaranteed.	Found.			Guaranteed.
7161	1.58	4	3.85	4	.95	9.34	8	10.29	.....	\$18.31	\$24.00
7166	3.10	2½	3.87	3	.85	7.36	8	8.21	.....	20.87	18.50
7348	2.33	2½	3.56	2½	.92	8.08	8	9.01	.....	18.99	18.00
7224	5.14	4½	.....	.....	.....	.....	.....	20.45	20	26.30	.....
7330	1.26	1	1.12	1	2.17	7.66	7	9.83	8	13.42	11.
7139	2.07	2	2.22	2	2.45	9.17	9	11.62	10	18.58	17.40
7140	1.13	1	2.23	2	1.40	9.58	9	10.98	10	15.76	14.40
7210	.....	.....	2.01	2	.32	9.98	10	10.30	.. ....	10.05	10.00
7209	2.75	2	1.82	2	.95	10.05	8	11.00	.....	20.50	16.40
7207	1.21	1	1.41	1	1.72	8.82	8	10.54	.....	14.54	12.40
7212	1.31	2	2.28	10	.82	7.87	8	8.69	.....	14.40	24.00
7211	.....	.....	.....	.....	.45	14.32	14	14.77	.....	11.45	11.20
7213	1.43	1½	6.07	5	1.40	6.63	6	8.03	.....	17.55	15.90
7315	.....	.....	.....	.....	1.50	14.99	14	16.49	.....	12.00	11.20
7205	2.20	2	2.03	2	1.50	9.10	8	10.60	.....	18.33	16.00
7317	.....	.....	.....	.....	1.12	14.38	14	15.50	.....	11.50	11.20
7316	1.01	1	2.35	2	1.75	9.12	9	10.87	.....	15.20	14.00
7226	3.22	2½	2.74	3	1.82	8.16	8	9.98	.....	21.28	18.50
7250	2.34	2½	5.83	6	1.32	8.64	8	9.96	.....	22.01	21.50
7252	2.19	2	....	.....	2.85	10.52	10	13.37	.... .	18.23	16.00
7292	1.19	1	1.39	1	1.35	8.76	8	10.11	.....	14.26	12.00
7251	1.59	1½	5.58	5	2.15	6.09	6	8.24	.....	17.30	15.50
7261	2.81	2½	.....	.....	2.72	12.20	12	14.92	15	21.71	19.50

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7298	Chemical Co. of Canton Baltimore, Md.	Soluble Bone and Potash.	Thurmont.....
7249	" " " "	Standard H. G. Guano...	Belair
7166	Josiah Cope & Co., Lincoln University, Pa.	Ammoniated Bone Phosphate.	Rising Sun.....
7215	" " " "	Ammoniated Bone Phosphate.	Conowingo.....
7214	" " " "	Pure Ground Bone.....	Conowingo.....
7253	Wm. Davidson & Co., Baltimore, Md.	"Bos" Ammoniated Super-Phosphate.	Belair
7237	" " " "	Dissolved S. C. Bone...	Wicomico.....
7254	" " " "	H. G Ammoniated Super-Phosphate	Belair
7277	" " " "	Special Mixture.....	Baltimore.....
7129	L. E. P. Dennis & Son, Crisfield, Md.	Fish and Potash Mixture, No. 2.	Crisfield.....
7131	" " " "	Fish and Potato Mixture, No. 1.	Crisfield.....
7134	Detrick Fert. and Chem. Co., Baltimore, Md.	Bone Phosphate and Potash Fertilizer.	Snow Hill.....
7221	" " " "	Corn and Oats.....	Baltimore.....
7132	" " " "	Vegetable Compound...	Pocomoke.....
7282	" " " "	Dissolved Bone	Silver Spring
7106	" " " "	Dissolved S. C. Bone	Baltimore.....
7189	" " " "	Fish Mixture.....	Baltimore.....
7182	" " " "	Gold Eagle	Baltimore.....
7323	" " " "	Imperial Compound.....	Mt Airy.....
7324	" " " "	Paragon Animal Bone Phosphate and Potash.	Mt. Airy
7338	" " " "	P. & B. Special Fertilizer	Baltimore.....
7193	" " " "	Potato Fertilizer.....	Baltimore.....
7181	" " " "	Royal Crop Grower.....	Baltimore.....

FERTILIZER ANALYSES.

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No.	NITROGEN Calculated as AMMONIA.		POTASH K ₂ O.		PHOSPHORIC ACID.						Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.				
						Found.	Guaranteed.	Found.	Guaranteed.			
7293	.....		2.17	2	1.02	10.85	10	11.87	.....	\$11.05	\$10.00	
7249	2.54	2½	3.88	3	1.90	8.61	8	10.51	.....	20.87	18.50	
7166	.83	1	2.80	3	1.37	11.26	10	12.63	.....	14.56	16.80	
7215	.72	1	2.56	3	.90	11.19	10	12.09	.....	13.85	16.80	
7214	5.12	4	.....	.....	.....	.....	.....	21.37	21	31.81	.....	
7253	2.51	2½	2.24	2½	2.70	11.04	8	13.74	11	21.89	19.20	
7237	.....	.....	.....	.....	1.40	14.71	14	16.11	16	11.77	11.20	
7254	2.92	2½	3.00	2½	2.55	12.11	10	14.66	13	25.09	22.20	
7277	3.29	3½	4.64	4½	.90	8.55	7	9.45	.....	24.09	22.80	
7129	2.75	2½	2.86	2½	2.05	9.09	6	11.14	.....	21.02	16.00	
7131	3.65	3½	4.51	3½	1.85	8.25	7	10.10	.....	24.45	21.00	
7134	.....	.....	2.27	2	1.35	10.64	10	11.99	.....	11.05	10.40	
7221	1.01	1	2.68	3	2.25	9.34	9	11.59	.....	15.95	15.00	
7132	6.89	7	5.16	5	1.35	7.22	6	8.57	9	33.59	32.80	
7282	2.79	2½	.....	.....	3.72	9.57	10	13.29	.....	19.43	18.30	
7106	.....	.....	.....	.....	1.47	14.42	14	15.89	.....	11.53	11.20	
7189	2.01	2	2.19	2	2.62	9.08	8	11.70	10	18.34	16.00	
7182	3.33	3½	5.02	5	2.30	6.53	6	8.83	.....	22.46	21.50	
7323	1.08	1	1.88	1	1.95	8.02	.....	9.97	10½	13.92	13.60	
7324	1.11	1	1.35	1	2.60	6.19	7	8.79	.....	11.9	11.80	
7338	.....	.....	3.51	3	.52	13.11	12	13.63	13	14.09	12.80	
7193	3.00	3	4.26	4	2.45	8.35	8	10.80	.....	22.59	21.40	
7181	2.24	2	2.22	2	2.85	8.40	8	11.25	.....	18.48	16.00	

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7326	Detrick Fert. and Chem. Co., Baltimore, Md.	Sea Fowl Guano	Mt. Airy.
7350	" " "	Special Mixture.....	Baltimore.....
7333	" " "	Standard Potash Fertilizer.	Baltimore.....
7327	" " "	Standard Potato Fertilizer.	Mt. Airy.
7138	Louis F. Detrick, Baltimore, Md.	Bone and Potash, 16x4 Mixture.	Hurlock.....
7143	" " "	Orchilla Guano.	Easton.....
7194	" " "	Kangaroo Komplete Kom pound.....	Baltimore.....
7239	Joshua W. Dorsey, Ellicott City, Md.	Ammoniated Bone Phosphate.	Ellicott City.....
7331	Dudley & Carpenter, Baltimore, Md.	California Tobacco Compound.	Baltimore.....
7336	" " "	Dissolved S. C. Rock....	Baltimore.....
7334	" " "	Soluble Bone Phosphate.	Baltimore.....
7227	" " "	Special Tobacco-Plant Compound.	Lothair
7152	T. W. Eliason, Chestertown, Md.	No. 1 Super-Phosphate of Lime and Potash.	Chestertown.....
7153	" " "	N. P. Dissolved Bone....	Chestertown.....
7154	" " "	Special Dissolved Alkaline Phos. and Potash..	Chestertown.....
7296	D. Englar, Jr., Medford, Md.	No. 3 Bone Phosphate....	Medford....
7311	Englar & Rinehart, Linwood, Md.	No. 2 Ammoniated Bone Phosphate.	Linwood.....
7313	" " "	No. 1 Ammoniated Bone Phosphate.	Linwood.....
7167	Eureka Fertilizer Co., Perryville, Md.	Alkaline Bone and Potash.	Rising Sun.....
7168	" " "	Corn and Potato Special	Rising Sun.....
7171	" " "	Fish, Rock and Potash..	Rising Sun.....
7255	" " "	Ground Bone.....	Forest Hill.....
7219	" " "	Potato and Vegetable...	Perryman

No.	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.						Comparative Value per Ton Found.	Comparative Value Per Ton Guaranteed.
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.				
						Found.	Guaranteed.	Found.	Guaranteed.			
7326	2.87	2.90	1.97	2	1.90	9.45	8	11.35	.....	\$20.79	\$19.40	
7350	1.30	1	1.19	1	2.90	6.81	8	9.71	.....	13.06	12.80	
7333	1.64	1½	4.56	5	3.12	6.25	6	9.37	9	16.97	15.90	
7327	1.56	1½	5.06	5	2.87	6.19	.....	9.06	9	17.07	15.90	
7138	.....	.....	2.28	2	2.65	11.11	11	13.76	.....	11.70	11.30	
7143	.....	.....	.....	.....	9.22	6.73	14	15.95	.....	5.38	11.20	
7194	2.22	2	2.84	3	2.70	9.03	8	11.73	.....	19.61	17.00	
7239	1.14	1½	2.13	1½	.87	9.84	8	10.71	.....	15.73	14.00	
7331	2.81	4	2.08	2	.85	9.42	8	10.27	.....	20.27	22.40	
7336	.....	.....	.....	.....	.90	14.60	14	15.50	.....	11.68	11.20	
7334	2.31	2	1.51	1½	1.20	9.21	9	10.41	.....	18.13	16.25	
7227	9.18	10	3.28	2	.80	8.20	7	9.00	.....	39.34	39.00	
7152	2.00	1½	2.60	1	.65	11.51	9	12.16	.....	20.37	15.50	
7153	.....	.....	2.62	2½	.67	14.13	13	14.80	.....	14.05	13.40	
7154	.....	.....	2.54	1½	.80	12.63	11	13.43	.....	12.80	10.70	
7296	1.23	1½	2.13	2	1.05	10.75	9½	11.80	11	16.99	15.25	
7311	.99	1	2.78	1½	2.42	10.02	10	12.44	.....	16.73	14.50	
7313	.96	2	.98	1	2.05	11.39	11	13.44	.....	16.07	18.00	
7167	.....	.....	2.79	2	2.40	10.90	10	13.30	12	11.99	10.40	
7168	1.07	1	4.11	3	2.71	9.00	9	11.71	11	19.40	15.00	
7171	.65	½	2.04	1	2.35	8.77	8	11.12	9	11.47	8.90	
7255	3.00	3	.....	.....	.....	.....	.....	25.21	22	30.86	.....	
7219	1.40	2	1.97	4	2.72	7.93	8	10.65	10	15.98	18.00	

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7169	Eureka Fertilizer Co, Baltimore, Md.	P. & P. Prompt and Permanent Super-Phos.	Rising Sun.....
7175	W. S. Farmer & Co., Baltimore, Md.	B. and P. Fertilizer.....	Baltimore.....
7187	" " "	Harvest Queen Phosphate.	Baltimore.....
7349	" " "	Special Tobacco and Potato Guano.	Baltimore.....
7197	" " "	Standard Phosphate....	Baltimore.....
7303	Farmers' Fertilizer Co., Westminster, Md.	Acid Phosphate.....	Westminster.....
7301	" " "	No. 1 Bone Phosphate..	Westminster.....
7300	" " "	No. 2 Bone Phosphate..	Westminster.....
7302	" " "	No. 3 Bone Phosphate..	Westminster.....
7299	" " "	XX Bone Phosphate....	Westminster.....
7297	" " "	Carroll Bone Phosphate.	Westminster.....
7298	" " "	P. A. & P. Phosphate....	Westminster.....
7135	Farmers and Planters' Co., Salisbury, Md.	Fish Mixture.....	Salisbury.....
7136	" " "	Truckers' Mixture.....	Salisbury.....
7137	" " "	Special Fish Mixture....	Salisbury.....
7304	N. I. Gorsuch & Son, Westminster, Md.	Dissolved Raw Bone Phosphate.	Westminster.....
7305	" " "	No. 3 Bone XXXX.....	Westminster.....
7306	Griffith & Boyd, Baltimore, Md.	Cereal Bone Plant Food	Baltimore.....
7343	" " "	Double-Strength Tobacco Grower.	Baltimore.....
7112	" " "	Farmers' Potato Manure.	Baltimore.....
7188	" " "	H. G. Acid Phosphate...	Baltimore.....
7191	" " "	Peerless Fertilizer.....	Baltimore.....
7222	" " "	XX Potash Manure.....	Laurel.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.	
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.			
						Found.	Guaranteed.	Found.			Guaranteed.
7169	.....	.....	.....	.....	2.40	13.39	14	15.79	15	\$10.71	\$11.10
7175	.....	.....	2.25	2½	1.55	11.28	10	12.83	.....	11.58	10.80
7187	1.45	1½	2.53	2½	1.92	10.44	10	12.36	.....	18.38	17.60
7349	2.98	3	3.70	3	.82	9.00	8	9.82	.....	21.96	20.40
7197	3.10	2.85	2.82	2½	1.22	10.76	10	11.98	.....	23.36	21.65
7303	.....	.....	.....	.....	1.02	14.93	14	15.95	.....	11.94	11.20
7301	2.03	2½	2.94	2	1.57	9.27	9	10.84	11	18.92	19.30
7300	2.45	1½	2.50	1½	1.55	8.41	8	9.96	9	18.88	14.40
7302	1.66	1	2.53	1½	1.45	9.05	8	10.50	9	17.14	12.90
7299	1.13	¾	3.01	1½	1.75	8.74	8	10.49	9	15.84	9.60
7297	.85	¼	2.43	1	1.10	6.79	7	7.89	8	10.63	7.55
7298	.....	.....	3.34	3	.87	10.49	10	11.36	.....	11.90	11.00
7135	3.58	3	2.11	2	2.02	7.87	7	9.89	.....	21.52	18.00
7136	4.36	3½	4.34	4	1.87	8.10	8	9.97	.....	26.26	22.50
7187	3.18	2½	4.69	5	2.00	7.60	8	9.60	.....	22.63	20.50
7304	1.65	1.40	2.46	2½	2.02	7.19	7	9.21	8	15.40	13.85
7305	.43	¼	2.28	1½	1.70	8.52	8	10.22	9	10.72	8.85
7306	1.06	1	2.11	2	1.80	7.75	8	9.55	10	13.76	13.80
7343	2.92	3	3.38	3	2.15	8.01	8	10.16	9	21.01	20.40
7112	1.69	1.00	7.50	9	1.95	7.79	8	9.74	.....	21.14	21.50
7188	.....	.....	.....	.....	1.90	14.00	14	15.90	15	11.20	11.20
7191	.....	.....	2.73	2	1.57	8.61	8	10.18	9	9.92	8.60
7222	.....	.....	6.31	5½	2.40	10.19	10	12.59	11	14.94	13.70

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7295	Griffith & Boyd, Baltimore, Md.	Pure Dissolved Animal Bone.	Union Bridge . . .
7180	Griffith & Turner Co., Baltimore, Md.	Ammoniated Alkaline Plant Food.	Baltimore
7115	" " "	Animal Bone Phosphate.	Baltimore
7206	" " "	Dissolved Bone.	Baltimore
7276	" " "	Soft Ground Bone.	Baltimore
7198	" " "	Standard Bone Phosphate.	Baltimore
7248	Hanway & Keen, Belair, Md.	Special Mixture.	Belair
7308	Hanover Bone Fertilizer Co., Hanover, Pa.	Blood and Bone Compound.	Westminster
7309	" " "	Dissolved Bone Phosphate.	Westminster
7307	" " "	Farmers' Crop Winner..	Westminster
7328	W. H. Hood, Mt. Airy, Md.	Special Mixture for Grain and Grass.	Mt. Airy
7108	Joshua Horner, Jr., & Co., Baltimore, Md.	Ammoniated Raw Bone Super-Phosphate.	Baltimore
7100	" " "	Dissolved Slaughter-House Bone Dust	Baltimore
7109	" " "	The Cultivator	Baltimore
7101	" " "	Slaughter-House Bone Dust.	Baltimore
7342	" " "	Virginia Tobacco Sustainer.	Baltimore
7321	M. P. Hubbard & Co., Baltimore, Md.	Celebrated Dissolved Bone Phosphate.	Fowblesburg
7195	" " "	Farmers' Acme Fertilizer.	Baltimore
7352	" " "	Farmers' Acme Fertilizer.	Baltimore
7278	" " "	Farmers' I. X. L. Super-Phosphate.	Baltimore
7192	" " "	Farmers' Old Economy..	Baltimore
7344	" " "	Havana Special for Tobacco.	Baltimore
7345	" " "	H. G. Soluble S. C. Phosphate.	Baltimore

FERTILIZER ANALYSES.

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No.	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.						Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.				
						Found.	Guaranteed.	Found.	Guaranteed.			
7295	2.57	2	.....	.....	3.55	9.61	10	13.16	11	\$18.74	\$16.40	
7180	1.29	1	2.53	1½	2.10	6.52	6½	8.62	7½	13.76	11.40	
7115	2.17	2½	2.02	1½	2.20	8.65	10	10.85	11	18.06	19.40	
7206	2.08	2	.....	.....	3.60	9.64	9	13.24	10	17.32	15.40	
7276	3.93	3	.....	.....	.....	.....	.....	13.04	11	22.95	.....	
7198	2.18	2	2.21	2½	2.55	10.05	9	12.60	.....	19.82	17.90	
7248	1.15	1	2.41	2	1.50	9.19	9	10.69	11	15.65	14.00	
7308	1.09	1	2.19	2	1.47	8.28	8	9.75	.....	14.32	13.40	
7309	.....	.....	2.48	2	1.45	10.29	10	11.74	11	11.00	10.20	
7307	.54	½	2.39	1½	.77	7.52	7	8.29	.....	10.17	8.80	
7328	1.19	1	2.26	2	1.57	8.46	9	10.03	.....	14.91	14.00	
7108	2.60	2½	2.29	2½	3.00	10.99	8	13.99	.....	22.28	19.60	
7100	2.54	2½	.....	.....	4.07	14.71	12	18.78	.....	23.95	20.70	
7109	2.13	2½	.....	.....	2.90	9.51	7	12.41	.....	17.06	15.30	
7101	7.00	6	.....	.....	.....	.....	.....	20.37	20	33.90	.....	
7342	2.42	2½	2.34	2½	3.75	9.17	7	12.92	.....	20.27	17.95	
7321	2.54	2½	2.34	2	.75	10.34	9	11.09	10½	20.60	19.10	
7195	1.98	2	2.09	2	.82	9.25	7	10.07	.....	17.60	15.00	
7352	1.69	2	2.13	2	1.55	8.22	7	9.77	.....	16.04	15.00	
7278	2.08	2	2.02	1.75	1.35	8.99	8	10.34	.....	17.79	16.35	
7192	.69	½	1.66	1½	1.35	10.64	8	11.99	10	12.51	9.80	
7344	2.51	2½	2.50	2½	.52	10.14	9	10.66	.....	20.37	19.00	
7345	.....	.....	.....	.....	.67	15.17	14	15.84	.....	12.14	11.20	

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7177	T. R. Hubbard & Son, Chestertown, Md.	American Standard Bone Super-Phosphate.	Baltimore.....
7155	" " "	Our Peerless Fertilizer..	Chestertown.....
7156	" " "	Our Peerless Fertilizer..	Chestertown.....
7159	" " "	Our Special 10 Per Cent.	Chestertown.....
7157	" " "	Special Potato Manure...	Chestertown.....
7337	Hubbard & Co., Baltimore, Md.	H. G. Soluble S. C. Phosphate.	Baltimore.....
7351	" " "	Royal Ensign for Tobacco.	Baltimore.....
7184	S. L. Lamberd & Co., Baltimore, Md.	Boss Fertilizer.....	Baltimore.....
7242	" " "	H. G. Acid Phosphate..	Baltimore.....
7183	" " "	Special Truck Grower...	Baltimore.....
7319	Lazaretto Guano Co., Baltimore, Md.	Ammoniated Bone Phosphate.	Hampstead.....
7241	" " "	Bone Compound.....	Ellicott City.....
7256	" " "	Dissolved Bone Phosphate.	Monkton.....
7236	" " "	Dissolved Bone and Potash.	Mechanicsville.....
7172	" " "	Early Trucker.....	Baltimore.....
7163	" " "	Excelsior AAA Fertilizer	Betterton.....
7240	" " "	Forsythe & Linthicum's Mixture.	Ellicott City.....
7141	" " "	Ratier Animal Bone Fertilizer.	Cambridge.....
7174	" " "	Special Potato Fertilizer	Baltimore.....
7150	G. H. Longfellow, Greensboro, Md.	Farmers' Delight No. 1..	Greensboro.....
7151	" " "	Truck and Berry.....	Greensboro.....
7185	Lister's Agr'l Chemical Works, Newark, N. J.	Ammoniated Dissolved Bone Phosphate.	Baltimore.....
7245	" " "	Animal Bone and Potash	Long Green.....

No.	NITROGEN Calculated as AMMONIA.		POTASH K ₂ O.		PHOSPHORIC ACID.				Comparative value per Ton Found.	Comparative Value per Ton Guaranteed.	
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.			
						Found.	Guaranteed	Found.			Guaranteed.
7177	3.71	3	5.49	5	1.55	8.56	8	10.13	.....	\$25.82	\$22.00
7155	2.11	1½	5.10	4	2.20	7.66	7	9.88	.....	19.99	15.50
7156	2.41	1½	5.57	4	.85	9.13	7	9.98	.....	22.27	15.50
7159	4.91	3	10.62	10	1.47	6.87	6	8.34	.....	33.92	25.00
7157	2.53	2½	5.49	5	1.00	8.88	8	9.88	.....	22.36	20.50
7337	.....	.....	.....	.....	2.57	14.51	14	17.08	.....	11.61	11.20
7351	3.24	3	2.03	2	1.95	9.09	9	11.04	10½	21.62	20.60
7184	3.31	2	4.77	4½	1.85	7.13	7	8.98	.....	22.57	17.90
7242	.....	.....	.....	.....	2.00	14.08	14	16.08	15	11.26	11.20
7183	3.60	4	3.87	4	2.25	7.21	7	9.46	8	22.78	23.40
7319	1.07	1	2.40	2	1.80	8.87	8	10.67	.....	15.20	13.00
7241	1.38	1½	3.63	2½	1.17	10.01	10	11.18	.....	18.24	16.65
7256	.....	.....	.....	.....	1.16	14.20	14	15.36	.....	11.36	11.20
7236	....	... ..	2.45	2	1.27	10.30	10	11.57	.....	10.94	10.00
7172	5.16	5	5.88	5	1.72	7.05	7	8.77	.....	29.09	27.00
7163	1.13	1	1.03	1	1.80	9.03	7	10.83	.....	14.17	11.00
7240	2.47	2½	5.20	4	3.67	10.25	9	13.92	.....	24.32	21.55
7141	2.53	2.25	4.01	4	3.57	10.81	9	14.38	.....	23.83	21.55
7174	1.15	1	4.57	4	.92	8.09	8	9.01	.....	16.47	15.00
7150	1.16	1	3.38	2	2.02	8.12	8	10.14	.....	15.79	13.40
7151	1.54	1½	3.29	3	3.65	8.37	8	12.02	.....	17.74	15.90
7185	1.84	2.20	2.15	1½	2.35	8.78	9	11.13	.....	17.52	17.90
7245	.....	.....	5.44	5	2.45	8.92	9	11.37	.....	13.07	12.20

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7225	Lister's Agr'l Chemical Works, Newark, N. J.	Harvest Queen.....	Baltimore.....
7223	" " "	Celebrated Ground Bone	Aberdeen.....
7220	" " "	Fertilizer for Tomatoes..	Baltimore.....
7279	" " "	Potato Manure.....	Baltimore.....
7273	" " "	Special Potato Fertilizer	Baltimore.....
7203	" " "	Standard Fertilizer Suc- cess.	Baltimore....
7244	" " "	Standard Pure Bone Su- per Phosphate.	Long Green.....
7284	Maryland Fert. Co., Balti- more, Md.	Dissolved S. C. Bone....	Hancock.....
7283	" " "	Globe Complete Manure Fertilizer.	Hancock....
7285	" " "	Linden Super Phosphate	Hancock.....
7312	" " "	Linden Super-Phosphate	Baltimore.....
7314	" " "	Pure Dissolved Animal Bone.	Linwood.....
7287	" " "	Sangston's Cereal Plant Food.	Smithsburg.....
7290	F. Mehrling, Bruceville, Md.	Acid Phosphate.....	Bruceville.....
7291	" " "	Dissolved Bone.....	Bruceville.....
7318	" " "	Emmert's Half and Half	Hampstead.....
7289	" " "	Twenty-Six Dollar Phos- phate	Bruceville.....
7202	Miller Fertilizer Co., Bal- timore, Md.	Ammoniated Dis. Bone.	Baltimore.....
7320	" " "	Clinch Phosphate.....	Fowblesburg.....
7133	" " "	Ground Bone.....	Snow Hill.....
7270	" " "	Ground Bone.....	Baltimore.....
7246	" " "	Harvest Queen.....	Hyde.....
7120	" " "	Muriate of Potash.....	Beltsville....

[illegible]

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7111	Miller Fertilizing Co., Baltimore, Md.	Hustler Phosphate	Baltimore.....
7121	" " "	Nitrate of Soda.....	Beltsville
7114	" " "	No. 1 Potato and Vegetable Grower.	Baltimore.....
7201	" " "	Potato and Vegetable Grower.	Baltimore.....
7110	" " "	South Carolina Rock...	Baltimore
7119	" " "	South Carolina Rock...	Beltsville
7271	" " "	Special Tobacco Grower	Baltimore.....
7204	" " "	Special Tomato Grower.	Baltimore.....
7103	" " "	Standard Phosphate.	Baltimore.....
7122	" " "	Tankage.....	Beltsville
7258	Geo. R. Mowell, Glencoe, Md.	South Carolina Rock...	Glencoe.....
7259	" " "	Standard Bone Phosphate.	Glencoe.....
7582	J. B. Nichols & Son, Baltimore, Md.	Farmers' Friend Guano.	Baltimore.....
7414	The Nickerson Fertilizer Co., Easton, Md.	Acid Phosphate.....	Reid's Grove.....
7599	" " "	Bone & Potash.....	Baltimore.....
7413	" " "	Kainit.....	Reid's Grove.....
7547	" " "	Fish, Bone and Potash...	Baltimore.....
7548	" " "	South Carolina Phosphate & Potash	Easton.....
7544	" " "	Truck Grower.....	Easton.....
7545	" " "	S. C. Phosphate.....	Easton.....
7499	G. Ober Sons & Co., Baltimore, Md.	Avondale Amm'd Dissolved Bones.	Baltimore.....
7627	" " "	Dissolved Bone Phosphate	Baltimore
7634	" " "	Dissolved Bone Phosphate and Potash.	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.	
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.			
						Found.	Guaranteed.	Found.			Guaranteed.
7111	1.25	1	1.06	1	1.37	8.79	8	10.16	.....	14.14	12.80
7121	19.48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7114	4.16	4½	7.67	7	.50	8.77	8	9.27	.....	29.12	28.90
7201	1.98	2	4.46	4	1.17	8.16	8	9.33	.....	19.02	18.40
7110	.....	.....	.....	.....	.72	14.81	14	15.53	.....	11.84	11.20
7119	.....	.....	.....	.....	1.45	14.99	14	16.44	.....	11.99	11.20
7271	2.04	2	4.12	4	.82	9.03	8	9.85	.....	19.59	18.40
7204	2.03	2	2.45	2	.77	9.11	8	9.88	.....	17.95	16.80
7103	2.90	3	3.60	3	.90	9.21	8	10.11	.....	21.87	20.80
7122	9.71	.....	.....	.....	.....	.....	.....	5.52	.....	25.61	.....
7258	.....	.....	.....	.....	1.52	14.88	14	16.40	.....	11.90	11.20
7259	2.09	2	2.25	2	2.55	9.99	10	12.54	11	19.53	18.40
7582	4.08	4	4.42	4	1.42	8.46	7	9.88	.....	25.68	23.00
7414	.....	.....	.....	.....	1.95	14.78	14	16.73	.....	11.82	11.20
7599	.60	½	2.28	2	2.50	9.11	8	11.61	.....	11.86	10.95
7413	.....	.....	12.75	.....	.....	.....	.....	.....	.....	.....	10.10
7547	2.90	3.00	4.03	4.00	2.57	9.33	8.00	11.90	.....	23.08	21.00
7548	.....	.....	3.02	3.00	1.52	10.54	12.00	12.06	.....	11.75	12.60
7544	2.02	2.00	2.24	2.00	2.47	9.17	8.00	11.64	.....	18.45	16.40
7545	.....	.....	.....	.....	1.20	13.83	14.00	15.03	15.00	11.06	11.20
7499	2.26	2¼	2.06	1½	3.17	9.80	8½	12.97	.....	19.91	17.85
7627	.....	.....	.....	.....	1.37	15.02	14.00	16.39	.....	12.01	11.20
7634	.....	.....	2.47	2.00	1.15	12.71	11.00	13.86	.....	12.86	11.20

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7635	G. Ober & Sons Co., Baltimore, Md.	Farmers Mixture.....	Baltimore.....
7600	" " "	Farmers Standard Ammonia Phosphate.	Baltimore.....
7580	" " "	Fish, Bone and Potash Mixture.	Baltimore.....
7522	" " "	Fish and Potash Fertilizer.	Princess Anne.....
7698	" " "	Special Compound for Tobacco.	Baltimore.....
7697	" " "	Special Plant Food.....	Baltimore.....
7579	Orndorf & Truxton, Washington D. C.	Ammoniated Bone Super Phosphate.	Baltimore.....
7657	Packers' Union Fertz. Co., New York, N. Y.	Banner Wheat Grower...	Loys, Md.....
7609	" " "	Universal Fertilizer.....	Baltimore.....
7653	" " "	Universal Fertilizer.....	Half Way.....
7530	Patapsco Guano Co., Baltimore, Md.	Baltimore Soluble Phos	Snow Hill.....
7553	" " "	Corn and Tomato.....	Hillsboro.....
7527	" " "	Coon Brand Guano.....	Snow Hill.....
7529	" " "	Dissolved Raw Bone....	Snow Hill.....
7531	" " "	Early Trucker.....	Snow Hill.....
7528	" " "	Grain & Grass Producer	Snow Hill.....
7560	" " "	Grange Mixture.....	Chesapeake City...
7557	" " "	High Grade Bone & Potash.	Georgetown.....
7618	" " "	Pure Dissolved S. C. Bone.	Lothair.....
7682	" " "	Sea Gull Guano.....	Fowblesburg.....
7492	" " "	Tobacco Fertilizer.....	Baltimore.....
7610	" " "	Tobacco and Potato.....	Cockeysville.....
7658	O. H. Pearre, Union Bridge, Md.	No. 1 Bone Phosphate...	Union Bridge....

FERTILIZER ANALYSES.

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No.	NITROGEN Calculated as AMMONIA.		POTASH, KO.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.	
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.			
						Found.	Guaranteed.	Found.			Guaranteed.
7635	1.25	1.00	2.06	2.00	.87	10.25	9.00	11.12	.....	\$16.40	\$14.00
7600	2.27	2.00	2.38	2.00	.90	10.64	9.00	11.54	.....	20.19	17.80
7580	3.37	3.00	4.46	3.00	2.17	9.63	8.00	11.80	.....	25.06	20.80
7522	1.94	2.00	2.84	2.00	1.67	11.51	9.00	13.18	.....	20.83	17.00
7698	3.18	3.00	3.00	2.00	2.35	9.71	8.00	12.06	.....	23.19	19.00
7697	2.14	2.00	5.10	5.00	2.15	10.29	9.00	12.44	.....	22.67	20.60
7579	2.07	2.00	2.15	2.00	2.10	8.65	9.00	10.75	.....	17.85	17.40
7657	.....	.....	.83	.50	.67	11.16	10.00	11.83	.....	9.89	8.70
7609	1.17	1.00	5.22	4.00	1.37	7.26	9.00	8.63	10.00	16.53	16.40
7653	1.51	1.00	4.50	4.00	1.70	7.33	9.00	9.03	.....	17.04	16.40
7580	.....	.....	1.95	2.00	1.47	12.66	11.00	14.13	.....	12.36	11.00
7553	1.74	1½	2.12	2.00	1.68	9.90	9.00	11.58	.....	17.91	15.30
7527	1.13	1.00	2.92	3.00	1.72	9.36	9.00	11.08	.....	16.35	15.40
7529	2.71	2½	.....	.....	4.27	12.81	12.00	17.08	.....	22.64	19.90
7531	5.38	5.00	5.78	5.00	2.30	7.29	7.00	9.59	.....	30.13	27.00
7528	1.36	1½	3.09	3.00	1.47	10.29	10.00	11.76	.....	18.04	18.30
7560	2.05	2.00	2.04	2.00	2.17	9.71	10.00	11.88	.....	18.76	19.00
7557	.....	.....	5.54	5.00	.25	11.41	11.00	11.66	.....	14.71	13.80
7618	.....	.....	.....	.....	.65	14.98	14.00	15.63	.....	11.98	11.20
7682	1.02	1.00	1.17	1.00	1.62	8.32	8.00	9.94	.....	13.19	12.00
7492	2.95	2.00	3.15	3.00	1.47	8.69	9.00	10.16	.....	21.37	19.20
7610	1.89	2.00	4.59	4.00	1.30	8.79	8.00	10.09	.....	19.57	18.00
7658	1.59	1½	1.89	1½	2.95	7.03	7.00	9.98	.....	14.87	13.25

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7659	O. H. Pearre, Union Bridge, Md.	Farmers Choice.....	Union Bridge.....
7612	Piedmont-Mt. Airy Guano Co., Baltimore, Md.	Bone Meal.....	Baltimore
7495	" " "	Essential Tobacco Com- pound	Baltimore.....
7629	" " "	Garden and Truck Fertz	Baltimore.....
7494	" " "	Guano for Tobacco.....	Baltimore.....
7597	" " "	P. P. P. Piedmont Potato Producer.	Baltimore.....
7644	" " "	Pure Raw Bone Mixture.	Baltimore... ..
7598	" " "	Royal Ammoniated Bone and Potash.	Baltimore.....
7554	" " "	Soluble Bone and Potash for Grain and Grass.	Denton.....
7512	R. H. Pollock, Baltimore, Md.	Accomac Trucker.....	Beltsville.....
7518	" " "	Ammoniated Bone Phos- phate.	Beltsville... ..
7577	" " "	Ammoniated Bone Phos- phate.	Baltimore.....
7684	" " "	Dissolved S. C. Bone...	Woodbine.....
7514	" " "	Genuine Kajnit.....	Beltsville.....
7519	" " "	Owl Brand Guano.....	Beltsville.....
7685	" " "	Owl Brand Guano.....	Woodbine.....
7515	" " "	Soft Ground Bone.....	Beltsville.....
7516	" " "	Special Potato & Tobacco Fertilizer.	Beltsville.....
7502	" " "	Special Potato & Tobacco Fertilizer	Baltimore.....
7517	" " "	Superior Corn and To- bacco Fertilizer.	Beltsville.....
7686	" " "	Soluble Bone Phosphate	Mt. Airy.....
7511	" " "	S. C. Bone	Beltsville.....
7578	" " "	Superior Corn and To- mato Fertilizer.	Baltimore.....

FERTILIZER ANALYSES.

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No	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.						Comparative Value Per Ton Found.	Comparative Value per Ton Guaranteed.
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.				
						Found.	Guaranteed.	Found.	Guaranteed.			
7659	0	0.875	2.33	1.125	1.22	10.89	8½	12.11	.....	\$11.28	\$10.33	
7612	5.11	4.00	.....	.....	.....	.....	.....	19.05	.....	31.17	.....	
7495	1.86	2.00	1.97	2.00	1.25	9.86	9.00	11.11	10.00	18.30	17.40	
7628	3.77	4.00	3.51	3.00	1.10	9.04	8.00	10.14	9.00	24.30	23.40	
7494	2.30	2½	2.65	3.00	1.22	9.36	8.00	10.58	.....	19.40	18.50	
7597	2.69	3.00	6.32	6.00	1.62	5.51	5	7.13	7	20.54	20.80	
7644	1.40	1½	1.99	1½	2.95	8.33	8	11.28	12	15.70	14.85	
7598	1.47	1.20	3.17	3	.87	6.07	6	6.94	8.00	13.99	13.40	
7554	.....	.....	2.16	2	.75	8.86	8	9.61	10	9.39	8.80	
7512	4.95	5	5.48	5	.80	9.16	9	9.96	.....	29.81	29.40	
7518	2.11	2	2.03	2	2.30	8.65	8	10.95	11	17.93	16.40	
7577	2.07	2.00	2.66	2.00	1.95	9.58	10.00	11.53	11.00	19.23	18.40	
7684	.....	.....	.....	.....	1.02	14.60	14.00	15.62	16	11.68	11.20	
7514	.....	.....	11.74	12	.....	.....	.....	.....	.....	.....	.....	
7519	.66	½	1.97	1½	.92	9.47	7	10.39	8	11.70	8.80	
7685	.68	½	2.61	1½	.67	7.29	7.00	7.96	8.00	10.61	8.80	
7515	3.05	3	.....	.....	9.72	6.25	.....	15.97	14	19.29	.....	
7516	2.90	2½	3.64	4	1.45	9.75	9	11.20	10	22.67	20.90	
7502	2.67	2½	3.59	4	1.60	10.12	9	11.72	10	22.57	20.90	
7517	1.15	1	2.18	2	1.20	8.64	9	9.84	10	14.75	14.40	
7686	.....	.....	2.18	2	1.35	11.42	11	12.77	12	11.59	11.00	
7511	.....	.....	.....	.....	1.25	14.65	14	15.90	.....	11.72	11.20	
7578	1.14	1	2.27	2	1.47	8.47	9	9.87	10	14.67	14.40	

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7496	R. H. Pollock, Baltimore, Md.	Victor Bone Phosphate..	Baltimore.....
7647	The Ramsburg Fertz. Co., Frederick, Md.	Ammoniated Bone Phos	Silver Springs.....
7687	" " "	Corn and Potato Fertz...	Mt. Airy.....
7648	" " "	Dissolved Animal Bone..	Silver Springs.....
7690	" " "	Dissolved Bone Super-Phosphate.	Monrovia.....
7688	" " "	Excelsior Plant Food....	Mt. Airy.....
7689	" " "	Excelsior Tobacco Com-pound.	Mt. Airy.. ..
7692	" " "	Pure Raw Bone.....	Monrovia.....
7500	Raisin Monumental Co., Baltimore.	Acid Phosphate.....	Baltimore.....
7645	" " "	Ammoniated Alkaline Phosphate.	Baltimore.....
766t	" " "	Ammoniated Super-Phosphate.	Ellicott City.....
7649	" " "	Bone and Potash Fertz..	Ellicott City.....
7650	" " "	Dissolved Bone.....	Ellicott City.....
7664	" " "	Empire Guano.....	Ellicott City.
7575	" " "	Monumental Potato Manure.	Baltimore.....
7641	" " "	Monumental Special Fish and Potash Mixture.	Baltimore.....
7585	" " "	Wm. Penn Crop Grower.	Baltimore.....
7676	" " "	Rasin's IXL Fertilizer...	Westminster.
7508	" " "	Soluble Bone Phosphate and Potash Fertilizer..	Baltimore.....
7574	" " "	XXX Fertilizer.....	Baltimore.....
7620	The Henry Record Mfg. Co., Bel Air, Md.	Animal Bone Phosphate.	Baltimore.....
7633	" " "	Dissolved Bone.....	Baltimore.....
7621	" " "	Dissolved S. C. Bone....	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH K ₂ O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.	
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.			
						Found.	Guaranteed.	Found.			Guaranteed.
7496	.....	.....	1.53	1	.82	9.73	9	10.55	10	\$ 9.47 \$ 8.40	
7647	1.03	1	1.22	2	3.62	10.80	10	14.42	12	16.55 15.40	
7687	1.55	1½	2.43	2	3.00	9.45	8.10	12.45	.....	17.73 15.20	
7648	1.72	2	.....	.....	4.77	10.81	10	15.58	.....	17.87 17.20	
7696	.....	.....	.....	.....	2.47	14.01	14	16.48	16.00	11.21 11.20	
7688	2.20	2½	1.91	2	3.25	11.05	9	14.30	.....	20.86 17.75	
7689	2.22	2½	2.84	2	3.27	10.18	9	13.45	11	20.98 18.55	
7692	3.02	3	.....	.....	.....	.....	.....	24.59	24	30.34	
7500	.....	.....	.....	.....	.70	15.70	14	16.40	.....	12.56 11.20	
7645	1.93	2	1.13	1	3.40	8.87	8	12.27	.....	17.15 15.00	
7665	.96	1	1.03	1	2.02	10.29	8	12.31	.....	15.00 12.00	
7649	.....	.....	1.24	2	2.03	11.75	10	13.78	.....	11.04 10.20	
7650	2.50	2.00	.....	.....	2.70	9.25	10.00	11.95	.....	17.83 16.00	
7664	1.59	2	2.43	2	1.82	9.68	8	11.50	.....	17.60 16.00	
7575	.73	1	3.73	4	.90	12.65	6	13.55	.....	16.22 13.00	
7641	2.88	3	3.12	3	2.27	8.52	6	10.79	.....	21.18 18.00	
7585	.84	1.00	.71	1.00	1.22	12.52	8.00	13.74	.....	13.49 12.00	
7676	1.44	1	4.55	3	1.32	9.01	9	10.33	.....	18.40 15.00	
7508	.....	.....	1.54	2	1.40	10.85	10	12.25	.....	10.50 10.00	
7574	.75	2	2.35	5	.95	12.32	8	13.27	.....	14.65 19.00	
7620	1.09	1½	2.21	2	1.30	8.83	9	10.13	17	14.83 15.50	
7633	2.37	2½	.....	.....	3.72	12.67	12	16.39	13	21.26 19.50	
7621	.....	.....	.....	.....	.80	14.84	14	15.64	.....	11.87 11.20	

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7619	The Henry Record Mfg. Co., Baltimore, Md.	Special Compound	Baltimore.....
7668	Walter P. Record, Record Md.	Special Compound	Record.....
7526	Redden, Paradee & Co., Pocomoke, Md.	Dryden's Super Phosphate.	Pocomoke
7660	W. G. Rinehart & Co., Union Bridge, Md.	No. 2 Bone Phosphate...	Union Bridge.....
7661	" " " "	No. 3 Bone Phosphate...	Union Bridge
7623	Isaac Robinson, Baltimore, Md.	Dissolved Bone.....	Baltimore.....
7622	" " " "	H. G. Soluble Phosphate	Baltimore.....
7631	" " " "	Peerless Phosphate.....	Baltimore.....
7507	" " " "	Penna. Special.....	Baltimore.....
7646	" " " "	Potashed Bone.....	Baltimore.....
7643	" " " "	Potato and Tomato Phosphate.	Baltimore.....
7605	" " " "	Special Wheat and Grass Phosphate.	Aberdeen.....
7593	" " " "	Standard Dissolved Bone Phosphate.	.....
7503	W. E. Robinson, Vale, Md.	Potato Manure.....	Baltimore.....
7583	" " " "	Tomato Grower.....	Baltimore.....
7632	" " " "	Vegetable Fertilizer....	Baltimore.....
7606	Scott Fertz. Co., Elkton, Md.	Bush River Compound..	Aberdeen.....
7566	" " " "	Elk Head Super-Phosphate.	Elkton.....
7571	" " " "	Potato Fertilizer No. 2...	Elkton.....
7570	" " " "	Pure Bone Meal	Elkton.....
7565	" " " "	Pure Ground Raw Bone	Elkton.....
7568	" " " "	Sure Growth Compound.	Elkton.....
7564	" " " "	Sure Growth Super-Phosphate.	Elkton.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.						Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.				
						Found.	Guaranteed.	Found.	Guaranteed.			
7619	2.05	2.03	2.01	2.13	1.72	9.43	10.66	11.15	13.18	\$18.27	\$18.88	
7668	1.61	1½	1.26	2	1.62	9.31	9	10.93	.....	16.04	15.56	
7526	1.79	2	2.70	2	2.10	8.59	8	10.69	10	17.50	16.80	
7660	1.80	1.55	2.08	2½	2.32	9.00	.....	11.32	.....	17.40	13.76	
7661	1.73	.75	2.23	3.21	1.80	8.20	8.09	10.00	.....	16.34	11.93	
7623	2.30	2½	.....	.....	3.40	10.76	11	14.16	14	19.02	19.70	
7622	.....	.....	.....	.....	1.32	14.15	14	15.47	.....	11.32	11.20	
7631	.65	½	1.44	1½	1.12	9.35	8	10.47	.....	11.09	9.80	
7507	2.45	2	5.32	5	1.87	8.10	7	9.97	.....	21.51	18.60	
7646	.....	.....	2.39	2	.97	10.73	10	11.70	12	11.16	10.40	
7643	2.13	2	2.75	2½	1.12	8.19	7½	9.31	10	17.77	15.75	
7605	2.18	2	2.36	2	1.27	9.06	8.50	10.33	11	18.46	17.50	
7593	1.01	1	2.61	2	1.17	10.11	10	11.28	11	16.21	15.40	
7503	1.36	1½	5.58	5	.82	6.63	5	7.45	.....	16.61	14.50	
7583	3.19	3	3.13	2½	1.65	10.44	10	12.09	.....	23.80	21.75	
7632	2.12	2	2.44	2	1.85	9.32	9	11.17	.....	18.86	17.40	
7606	4.13	4	7.62	7	1.90	8.33	7	10.23	.....	29.10	26.00	
7568	1.12	1	1.22	1	2.12	9.38	9	11.50	.....	14.80	13.00	
7571	2.20	2	4.59	5	2.80	9.60	7	12.40	.....	21.91	18.00	
7570	3.53	3	.....	.....	.....	.....	.....	25.03	25	32.46	.....	
7565	4.37	4	.....	.....	.....	.....	.....	22.07	22	27.45	.....	
7568	4.21	4	8.11	8	1.72	7.12	7	8.84	.....	28.54	27.00	
7564	2.49	2	2.22	2	2.07	11.00	10	13.07	.....	21.51	18.00	

No.	Name and address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7563	Scott Fertilizer Co., Baltimore, Md.	Standard Phosphate.....	Elkton.....
7562	" " "	Tip Top Soluble Bone & Potash.	Elkton.....
7561	" " "	Tip Top Soluble Bone and Potash.	Elkton.....
7567	" " "	Vegetable Fertilizer.....	Elkton.....
7674	Chas Shaffer, Westminster, Md.	Big Gun.....	Westminster.....
7662	" " "	Governor.....	Westminster.....
7675	" " "	H. G. Acid Phosphate....	Westminster.....
7673	" " "	Leader.....	Westminster.....
7663	" " "	Super A.....	Westminster.....
7602	Smith, Rouse & Webster, Bel Air, Md.	Dissolved Bone.....	Aberdeen.....
7601	" " "	Special Formula No. 1...	Aberdeen.....
7603	" " "	Special Formula No. 2...	Aberdeen.....
7509	Southern Fertilizer Co., York, Pa.	Special Potato Grower...	Baltimore.....
7408	" " "	Special Potato Grower...	Upper Cross Roads.
7693	J. W. Stonebraker & Son, Hagerstown, Md.	Champion.....	Avilton.....
7655	" " "	Dissolved Bone Phosphate.	Charlton.....
7694	" " "	Special.....	Avilton.....
7576	W. H. Street & Co., Baltimore, Md.	Ammoniated Dissolved Bone.	Baltimore.....
7667	" " "	H. G. Bone Phosphate...	Fallston.....
7592	" " "	H. G. Bone Phosphate...	Baltimore.....
7589	" " "	S. C. Rock.....	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.						Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.				
						Found.	Guaranteed.	Found.	Guaranteed.			
7563	1.72	1½	2.37	2	3.57	9.02	8	12.59	.....	\$17.97	\$14.50	
7562	.....	.....	.....	.....	1.52	14.49	14	16.01	.....	11.51	11.20	
7561	.....	.....	1.41	2	1.20	13.39	11	14.59	.....	12.36	10.80	
7567	5.71	6	8.14	7	1.32	7.01	8	8.33	.....	32.80	33.00	
7674	2.05	2	2.30	2	.65	11.13	10	11.78	.....	19.84	18.00	
7662	1.45	1½	2.55	2½	1.75	9.77	9	11.52	.. ....	17.47	16.00	
7675	.....	.....	.....	.....	.97	14.85	14	15.82	.....	11.88	11.20	
7673	1.10	1	1.70	1½	1.82	8.73	8	10.55	.....	14.45	12.50	
7663	2.62	.75	1.40	1	1.37	8.33	7½	9.70	.....	18.13	9.45	
7602	2.93	2½	.....	.....	2.25	12.03	12	14.28	.....	21.72	20.36	
7601	1.98	2	2.01	2	.62	9.94	9	10.56	.....	18.13	17.60	
7603	1.02	1	2.12	2	.77	9.71	8	10.48	.....	15.19	13.60	
7509	1.91	1½	4.48	4	1.55	8.18	8	9.73	.....	19.01	16.50	
7408	1.57	1½	5.02	4	1.44	9.06	8	10.50	.....	19.37	16.50	
7693	1.09	1½	4.73	3½	2.12	10.01	9½	12.13	.....	18.85	17.25	
7655	2.20	2	2.17	2	2.22	10.73	10	12.95	.....	20.38	18.00	
7694	2.28	2¼	4.41	4	2.32	10.19	9	12.51	.....	22.64	19.75	
7576	1.45	1½	2.27	2	.99	9.45	9	10.44	.... .	16.46	16.10	
7667	2.40	2¼	3.83	3	1.70	8.34	8	10.04	.....	20.05	19.30	
7592	2.27	2½	3.36	3	1.07	9.30	8	10.37	.....	19.89	19.30	
7589	.....	.....	.....	.....	.25	15.19	14	15.44	.....	12.15	11.20	

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7594	W. H. Street & Co., Baltimore, Md.	Special Crop Grower....	Baltimore.....
7329	J. W. Sullivan, Monrovia, Md.	Sullivan's Sure Success..	Monrovia.....
7506	Susquehanna Fertz. Co., Baltimore, Md.	Ammoniated Bone Phosphate.	Baltimore.....
7680	" " "	Crop Grower.....	Hampstead.....
7501	" " "	Grain and Grass Producer	Baltimore.....
7679	" " "	Potato Phosphate.....	Hampstead.....
7556	" " "	Special Tomato Compound.	Chestertown.....
7637	" " "	Superior Rock Phosphate	Baltimore.....
7636	" " "	XXV Phosphate.....	Betterton.....
7608	Swift & Co., Chicago, Ill.	Swift's Pure Bone Meal..	Rising Sun.....
7238	Talbot & Clark, Ellicott City, Md.	Ammoniated Bone Phosphate.	Ellicott City.....
7695	H. S. Taveau & Co., Baltimore, Md.	Allerton Guano.....	Baltimore.....
7491	" " "	Dissolved S. C. Rock....	Baltimore.....
7696	" " "	Pride of Maryland.....	Baltimore.....
7617	" " "	Special Compound.....	Lothair.....
7497	" " "	Special Compound No. 2	Baltimore.....
7652	D. A. Thomas. Hagerstown, Md.	Bone Mixture.....	Hagerstown.....
7616	I. P. Thomas & Son, Philadelphia, Pa.	Fish Guano.....	Annapolis.....
7629	" " "	Normal Bone Phosphate..	Baltimore.....
7614	" " "	Potato and Tomato Manure.	Annapolis.....
7615	" " "	Tip Top Raw Bone Super-Phosphate.	Annapolis.....
7537	W. B. Tilghman Co., Salisbury, Md.	Standard Fish Mixture...	Salisbury.....
7523	" " "	Fish Mixture No. 2.....	Pocomoke.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.						Comparative Value per Ton Found.	Comparative Value Per Ton Guaranteed.
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.				
						Found.	Guaranteed.	Found.	Guaranteed.			
7594	1.10	1	1.17	1	1.20	9.18	8	10.38	.....	\$14.13	\$12.80	
7329	2.41	2	1.37	3	.92	10.72	8	11.64	.....	19.68	17.00	
7506	2.18	2	2.32	2	4.10	8.24	8	12.34	.....	18.74	16.80	
7680	1.12	1	1.32	1	5.58	7.36	7	12.94	.....	14.27	11.00	
7501	.....	.....	1.91	3	1.35	12.83	12	14.18	13	12.44	12.80	
7679	1.96	2	5.29	5	3.10	8.47	8	11.57	.....	20.88	19.00	
7556	2.01	2½	2.08	4	3.90	8.78	9½	12.68	.....	18.45	22.20	
7687	.....	.....	.....	.....	1.40	14.66	14	16.06	.....	11.73	11.20	
7636	1.36	1½	1.31	1	3.00	.....	8	12.11	.....	15.70	14.30	
7608	3.50	3	.....	.....	.....	.....	.....	25.64	25	33.06	.....	
7238	1.02	1	2.32	2	2.17	8.11	7	10.28	14	14.36	14.00	
7695	2.29	2½	3.29	2½	.82	9.18	9	10.00	.....	19.66	19.00	
7491	.....	.....	.....	.....	.65	14.39	14	15.04	.....	11.51	11.20	
7696	1.98	1½	5.07	2½	1.30	10.67	10	11.97	.....	22.20	16.25	
7617	2.06	2	2.25	2½	2.12	9.14	10	11.26	.....	18.42	18.50	
7497	2.57	2	1.83	2	1.07	9.41	9	10.48	.....	19.37	17.00	
7652	2.65	2	3.32	2	1.22	10.02	8	11.24	.....	21.77	16.00	
7616	1.98	2	2.53	2	.60	10.60	9½	11.20	.....	19.31	17.90	
7629	1.24	1½	2.08	1½	1.80	9.22	9½	11.02	.....	15.74	15.15	
7614	2.11	2	6.79	6	1.40	9.57	9	10.97	11	23.25	21.80	
7615	2.73	3	3.74	2¾	1.80	10.37	10	12.17	.....	23.02	22.55	
7537	3.02	3	2.77	2	1.70	7.99	7	9.69	.....	20.50	18.00	
7523	1.59	2	1.16	1	1.80	10.09	7	11.89	.....	16.74	14.00	

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7521	W. B. Tilghman Co., Salisbury, Md.	Irish Potato Manure....	Westover.....
7538	E. S. Truitt, Salisbury, Md.	Fish Mixture XX.....	Salisbury.....
7558	Turner & Son, Betterton, Md.	Special Tomato Com. pound.	Betterton.....
7559	" " "	Truck Guano.....	Betterton.....
7535	Tygert-Allen Fert. Co., Philadelphia, Pa.....	Allen's 5 per cent. Guano	Snow Hill.....
7536	" " "	Allen's 7 per cent. Guano	Snow Hill.....
7534	" " "	Gold Edge Potato Guano	Snow Hill.....
7533	" " "	Standard Bone Phosphate.	Snow Hill.....
7532	" " "	Star Guano.....	Snow Hill.....
7543	S. L. Webster & Son, Cambridge, Md.	No. 2 Ammonia Bone Super-Phosphate.....	Cambridge.....
7540	" " "	Bone and Potash.....	Cambridge.....
7541	" " "	Fish Mixture.....	Cambridge.....
7539	" " "	Rock and Muriate of Potash.	Cambridge.....
7630	M. E. Wheeler & Co., New York.	Potato Manure.....	Baltimore.....
7551	Williams & Clark, New York.	Acid Phosphate.....	Ridgely.....
7552	" " "	Bone Meal.....	Ridgely.....
7549	" " "	Fish and Potash.....	Ridgely.....
7550	" " "	Nickolson Formula.....	Ridgely.....
7555	" " "	Pea, Tomato and Corn Phosphate.	Denton.....
7520	F. M. Wilson, Pocomoke City, Md.	Favorite Truck Fertilizer	Westover.....
7524	" " "	Favorite Truck Fertilizer	Pocomoke.....
7525	" " "	Peninsula Ammoniated Super-Phosphate.	Pocomoke.....
7572	The Robt. A. Wooldridge Co., Baltimore, Md.	Bone and Potash.....	Port Deposit.....

FERTILIZER ANALYSES.

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No.	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.						Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
	Found.	Guaranteed.	Found.	Guaranteed.	Insoluble Found.	Available.		Total.				
						Found.	Guaranteed.	Found.	Guaranteed.			
7521	6.31	7	5.50	5	2.32	6.34	6	8.66	.....	\$31.69	\$32.00	
7538	3.45	3	2.95	2	.92	7.52	8	8.44	10	21.18	19.80	
7558	2.18	1½	4.86	5	1.47	8.88	10	10.35	.....	20.87	19.50	
7559	1.46	1	1.74	2	1.02	9.20	10	10.22	.....	15.72	15.00	
7535	4.84	5	5.96	5	1.22	7.15	7	8.37	8	28.50	27.40	
7536	6.93	7	5.97	5	1.62	8.21	6	9.83	7	36.30	32.40	
7534	2.52	2½	6.58	6	1.92	8.37	8	10.29	9	23.27	21.90	
7533	1.96	2	2.13	2	2.02	8.16	8	10.18	10	16.97	16.80	
7532	2.51	2½	3.80	3	1.82	8.27	8	10.09	9	20.32	18.50	
7543	4.08	2.40	3.88	2	1.42	6.48	8	7.90	.....	23.16	17.20	
7540	.....	.....	2.68	3	.62	11.33	10	11.95	.....	11.86	11.00	
7541	3.21	3	3.11	3	2.85	6.95	6	9.80	.....	20.83	18.00	
7539	.....	.....	2.40	3	.67	11.44	12	12.11	.....	11.68	12.73	
7630	2.32	2½	3.30	3½	2.50	8.56	8	11.06	.....	19.82	19.15	
7551	.....	.....	.....	.....	1.42	1.37	14	15.39	15	11.18	11.20	
7552	4.39	3	.....	.....	.....	.....	.....	20.02	20	28.50	.....	
7549	1.94	2	2.40	2	2.25	9.49	8	11.74	9	18.61	16.00	
7550	2.08	2	3.02	3	4.17	9.21	9	13.38	.....	20.13	18.00	
7555	.80	.53	2.37	3	2.02	10.95	8	12.97	.....	13.93	10.99	
7520	2.73	3	8.72	6	.65	8.43	8	9.08	.....	25.92	23.00	
7524	2.81	3	9.59	6	1.25	7.40	7	8.65	8	25.92	23.00	
7525	1.28	1½	1.41	1½	1.12	11.78	10	12.90	.....	17.47	16.00	
7572	.....	.....	1.81	2	1.22	10.34	10	11.56	11	10.32	10.20	

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling.
7504	The Robt. A. Wooldridge Co., Baltimore, Md.	Champion Giant Phos....	Baltimore.....
7586	" " " "	Chieftain Bone Stock Phosphate.	Baltimore.....
7498	" " " "	Double Quick Pure Bone Phosphate.	Baltimore.....
7578	" " " "	Florida Acid Phosphate.	Port Deposit.
7587	" " " "	Liberty Bell Potash Mixture.	Baltimore.....
7626	" " " "	Sweeps Stakes Sure Shot Truck Phosphate.	Baltimore.....
7505	" " " "	Special Potato Fertilizer.	Baltimore.....
7584	" " " "	Triumph Pure Bone Phosphate.	Baltimore.....
7681	The Zell Guano Co., Baltimore, Md.	Ammoniated Bone Phosphate.	Arcadia..
7651	" " " "	Dissolved Bone Phosphate.	Hancock.....
7581	" " " "	Economizer.....	Baltimore.....
7677	" " " "	Electric Phosphate.....	Westminster.....
7670	" " " "	Little Giant.....	Parkton.....
7678	" " " "	Little Giant.....	Westminster.....
7671	" " " "	Special Compound for Potatoes and Vegetables	Monkton.....

FERTILIZER ANALYSES.

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No.	NITROGEN Calculated as AMMONIA.		POTASH, K ₂ O.		PHOSPHORIC ACID.						Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
	Found.	Guaranteed	Found.	Guaranteed.	Insoluble Found.	Available.		Total.				
						Found.	Guaranteed.	Found.	Guaranteed.			
7504	1.19	1	2.18	2	1.50	9.12	9	10.62	.....	\$15.47	\$14.60	
7586	1.96	2	2.37	2	1.80	9.49	9	11.29	.....	18.46	17.40	
7498	2.42	2 $\frac{3}{4}$	3.16	3	1.00	8.88	9	9.88	.....	19.70	21.05	
7573	.....	.....	.....	.....	.77	14.56	14	15.33	15	11.65	11.20	
7587	.....	.....	3.62	3	.30	12.58	12	12.88	13	13.74	12.80	
7626	3.08	3	7.70	8	1.97	7.34	7	9.31	.....	25.06	24.40	
7505	2.27	2	4.52	5	1.82	9.24	9	11.06	.....	21.29	20.40	
7584	1.48	1 $\frac{1}{2}$	4.15	4	1.42	7.96	8	9.38	.....	17.12	16.90	
7681	1.98	2	2.23	2	2.45	8.32	8	10.77	10	17.47	16.80	
7651	.....	.....	.....	.....	1.87	15.33	14	17.20	16	12.26	11.20	
7581	1.13	1	2.18	2	2.21	9.23	8	11.44	10	15.81	13.80	
7677	.....	.....	2.31	2	2.25	10.46	10	12.71	12	11.12	10.40	
7670	1.09	1	1.05	1	2.55	8.35	7	10.90	9	13.69	11.80	
7678	1.13	1	1.41	1	2.37	8.10	7	10.47	9	13.84	11.80	
7671	2.98	2	4.67	4	2.05	8.57	8	10.62	.....	23.20	18.00	

Table Showing Mechanical Analysis of Ground Bone.

(The Chemical Analysis is given in Preceding Table.)

No.	NAME AND ADDRESS OF MANUFACTURER.	NAME OF FERTILIZER.	Fine less than 1-50 inch.	Fine Medium 1-25 to 1-50 inch.	Medium 1-25 to 1-12 inch.	Coarse larger than 1-12 inch.
7124	Baugh & Sons Co., Baltimore, Md.	Domestic Bone Dust.	67	20	12	1
7200	" " "	Bone Meal War. Pure.	70	25	5	0
7224	C. E. Bond, Spencerville, Md.	Ground Bone.....	30	23	35	12
7214	Josiah Cope & Co., Lincoln Univ., Pa.	Pure Ground Bone	60	20	20	0
7255	Eureka Fertilizer Co., Perryville, Md.	Ground Bone.....	69	18	13	0
7276	Griffith & Turner Co., Baltimore, Md.	Soft Ground Bone.	81	12	7	0
7101	Joshua Horner, Jr. & Co., Baltimore, Md.	Slaughter House Bone Dust.	45	22	33	0
7133	Miller Fertilizer Co., Baltimore, Md.	Ground Bone.....	51	20	23	6
7270	" " "	Ground Bone.....	51	20	23	6
7612	Piedmont-Mt. Airy Guano Co., Baltimore, Md.	Bone Meal.....	73	17	10	0
7400	Isaac Robinson, Baltimore, Md.	Pure Raw Bone...	47	35	14	4
7692	The Ramsburg Fertilizer Co., Frederick, Md.	Pure Raw Bone...	69	18	13	0
7403	Walter P. Reckord, Reckord, Md.	Raw Bone.....	47	5	22	26
7565	Scott Fertilizer Co., Elkton, Md.	Pure Ground Raw Bone.	35	27	30	8
7570	" " "	Pure Bone Meal...	71	20	9	0
7608	Swift & Co., Chicago, Ill...	Pure Bone Meal...	73	18	9	0
7552	Williams & Clark, N. Y....	Bone Meal.....	58	19	22	1

LIST OF FERTILIZERS LICENSED FOR SALE IN MARY-
LAND FOR THE YEAR ENDING FEBRUARY 1, 1901.

(Corrected to August 6, 1900.)

ALEXANDRIA FERTILIZER AND CHEMICAL CO., ALEX-
ANDRIA, VA.

Acid Phosphate.
Alkaline Bone.
Ammoniated Dissolved Bone.
Corn and Oats Fertilizer.
Dissolved S. C. Rock.
Pure Ground Animal Bone.

THE ARMOUR FERTILIZER WORKS, BALTIMORE, MD.

All Soluble.
Ammoniated Bone and Potash.
Bone Meal.
Bone and Potash.
Fruit and Root Crop Special.
Grain Grower.
Star Phosphate.
Tomato Grower.
Valley Tobacco.
Wheat, Corn and Oats Special.

BALTIMORE SEED AND IMPLEMENT CO., BALTO., MD.

Ammoniated Bone Phosphate.

BAUGH & SONS CO., BALTIMORE, MD.

Animal Bone and Potash Compound.
Bone Meal—Warranted Pure.
Double Eagle Phosphate.
Export Bone with Potash.
Fish Mixture.
General Crop Grower.
High Grade Acid Phosphate or Dissolved South Carolina
Rock.
High Grade Tobacco and Truck Fertilizer.
Potato Fertilizer.
Pure Dissolved Animal Bone.
Tomato Compound.
Wheat Fertilizer.

BECK, WALKER & BROWN, CHESTERTOWN, MD.

Corn Phosphate.
Propagator.
Tomato Phosphate.
Trustworthy.
Try Me.

C. M. BOHANAN & CO., BALTIMORE, MD.

Leader.

CHAS. E. BOND, SPENCERVILLE, MD.

Dissolved Rock.
Pure Ground Bone.

J. L. BULLOCK, BALTIMORE, MD.

Dissolved Pure Raw Bone.
Pure Ground Raw Bone.

CHEMICAL CO. OF CANTON, BALTIMORE, MD.

Baker's Dissolved Bone Phosphate.
Baker's Fish Guano.
Baker's Pure Dissolved S. C. Bone.
Baker's Special Wheat, Corn and Grass Mixture.
Baker's Standard Ground Bone.
Baker's Standard High Grade Guano.
C. C. C. Special Compound.
Dissolved Bone.
Harrow Brand Crop Grower.
Potato Manure.
Pure Dissolved Animal Bone.
Soluble Bone and Potash.
Trucker's Delight.

HENRY COPE & CO., LINCOLN UNIVERSITY, PA.

Animal Bone Phosphate.

JOSIAH COPE & CO., LINCOLN UNIVERSITY, PA.

Acidulated Phosphate.
Ammoniated Bone Phosphate.
Try Me Bone Phosphate.

WM. DAVISON & CO., BALTIMORE, MD.

"Bos" Ammoniated Super-Phosphate.
Dissolved S. C. Bone.
High Grade Ammoniated Super-Phosphate.
Pen Mar Ammoniated Bone Phosphate.
Special Mixture.

L. E. P. DENNIS & SON, CRISFIELD, MD.

No. 1 Fish and Potash Mixture.
No. 2 Fish and Potash Mixture.
Truck and Tomato Mixture.

L. F. DETRICK, BALTIMORE, MD.

Bone and Potash Mixture.
Kangaroo Komplete Kompond.
Orchilla Guano.
Sockless and Shoeless Phosphate.
XXtra Acid Phosphate.

DETRICK FERTILIZER AND CHEMICAL CO., BALTO., MD.

BD Sea Fowl Guano.
Detrick's Ammoniated Bone Phosphate for Grain & Grass.
Detrick's Corn and Oats Fertilizer.
Detrick's Gold Eagle.
Detrick's Imperial Compound.
Detrick's Potato Fertilizer.
Detrick's Royal Crop Grower.
Detrick's Special Mixture.
Detrick's Standard Potash Fertilizer.
Detrick's Tobacco Plant Bed Fertilizer.
Detrick's Vegetable Compound.
Dissolved Bone.
Dissolved S. C. Bone.
Fine Ground Animal Bone.
Fish Mixture.
Paragon Ammoniated Bone Phosphate and Potash.
Robinson's Special Compound.
Soluble Bone Phosphate and Potash.
Vegetator Ammoniated Super-Phosphate.

J. W. DORSEY, ELLICOTT CITY, MD.

Ammoniated Phosphate.

DUDLEY & CARPENTER, BALTIMORE, MD.

California Tobacco Compound.
(D. & C.'s) Special Tobacco Plant Guano.
S. C. Rock Phosphate.
Special Wheat Mixture.

T. W. ELIASON, CHESTERTOWN, MD.

M. P. Compound.
No. 1 Ammoniated Super-Phosphate of Lime.
No. 3 Our Special Dissolved Alkaline.

DAVID ENGLAR, JR., MEDFORD, MD.

No. 3 Bone Phosphate.

ENGLAR & RINEHART, LINWOOD, MD.

No. 1 Ammoniated Bone Phosphate.

No. 2 Ammoniated Bone Phosphate.

EUREKA FERTILIZER CO., PERRYVILLE, MD.

Alkaline Bone and Potash.

Corn and Potato Special.

Farmer's Favorite Bone Phosphate.

Fish, Rock and Potash.

Ground Bone.

Potato and Vegetable Fertilizer.

P. & P. Super Phosphate.

W. S. FARMER & CO., BALTIMORE, MD.

B. & P.

Clyde.

Dissolved S. C. Bone.

Harvest Queen Phosphate.

Standard Phosphate.

Tobacco & Potato Guano.

FARMER'S FERTILIZER CO., WESTMINSTER, MD.

Acid Phosphate.

No. 1 Bone Phosphate.

No. 2 Bone Phosphate.

No. 3 Bone Phosphate.

Carroll Bone Phosphate.

Pa. & P. Phosphate.

XX Bone Phosphate.

FARMER'S & PLANTER'S CO., SALISBURY, MD.

Fish Mixture.

Special Fish Mixture.

Trucker's Mixture.

T. H. GILL, AVALON, VA.

Try Me.

I. N. GORSUCH & SON, WESTMINSTER, MD.

No. 3 XXXX Bone.

Westminster Dissolved Raw Bone Phosphate.

GRIFFITH & BOYD, BALTIMORE, MD.

Ammoniated Bone Phosphate.
Ammoniated Soluble Bone.
Bone Meal.
Cereal Bone Plant Food.
Double Strength Tobacco Grower.
High Grade Acid Phosphate.
T. C. Hunter's Extra Ammoniated Bone Phosphate.
Peerless Fertilizer.
Pure Dissolved Animal Bone.
Soft Ground Bone.
Spring Crop Grower.
Stable Manure Substitute.
Valley Fertilizer.

GRIFFITH & TURNER CO., BALTIMORE, MD.

Ammoniated Alkaline Plant Food.
Ammoniated Butchers' Bone Phosphate.
Animal Bone Phosphate.
Dissolved Bone.
High Grade Acid Phosphate.
Soft Ground Bone.
Tobacco Bed Fertilizer.

HANOVER BONE FERTILIZER WORKS, HANOVER, PA.

Hanover Acid Phosphate.
Hanover Blood and Bone Compound.
Hanover Dissolved Bone Phosphate.
Hanover Excelsior Combine.
Hanover Farmers' Crop Winner.
Hanover Klondyke Special.
Hanover Pure Bone Meal.

HANWAY & KEEN, BEL AIR, MD.

H. & K. Special Mixture.
H. & K. Standard High Grade Guano.

S. M. HESS & BRO., PHILADELPHIA, PA.

Ammoniated Bone Super-Phosphate.
Ground Bone.
Keystone Bone Phosphate.
Potato and Truck Manure.
Soluble Bone and Potash.
Soluble Bone Phosphate.
Special Compound.
Special Corn Manure.
Wheat and Grass Manure.

THE HOME FERTILIZER CHEMICAL WORKS, BALTIMORE, MD.

Formula for Yellow Leaf Tobacco.

W. H. HOOD, MT. AIRY, MD.
Hood's Special Mixture.JOSHUA HORNER, JR., BALTIMORE, MD.
Ammoniated Raw Bone Super Phosphate.
Cultivator.
Dissolved Slaughter House Bone Dust.
Maryland Concentrated Super Phosphate.
Slaughter House Bone Dust.
Virginia Tobacco Sustain.T. R. HUBBARD & SON, CHESTERTOWN, MD.
Our American Standard Bone Super Phosphate.
Our Peerless Tomato Fertilizer.
Our Victor Fertilizer.
Special Mixture.S. L. LAMBERT & CO., BALTIMORE, MD.
Bos Fertilizer.
Favorite Fertilizer.
H. G. Acid Phosphate.
Special Truck Grower.LAZARETTO GUANO CO., BALTIMORE, MD.
Ammoniated Bone Phosphate.
Bone Compound.
Crop Grower.
Dissolved Animal Bone.
Dissolved Bone Phosphate.
Dissolved Bone and Potash.
Early Trucker.
Excelsior AAA.
Forsythe & Linthicum's Mixture.
Harford Bone.
Lazaretto Special Tobacco and Potato Fertilizer.
Pure Ground Animal Bone.
Retriever Animal Bone Fertilizer.
Special Potato Fertilizer.W. E. LINN, LAUREL, MD.
Crematory Phosphate.

LISTER'S AGRICULTURAL CHEMICAL WORKS, BALTIMORE, MD.

Animal Bone and Potash.
Celebrated Ground Bone.
Harvest Queen Phosphate.
Special Potato Fertilizer.
Standard Super Phosphate of Lime.
Success Fertilizer.

T. H. LONGFELLOW, GREENSBORO, MD.

Crop Grower.
Farmer's Delight, No. 1.
Truck and Berry.

MARYLAND FERTILIZER & MANUFACTURING CO., BALTIMORE, MD.

Alkaline Bone.
Ammoniated Bone.
Dissolved Animal Bone.
Dissolved Phosphate.
Dissolved S. C. Bone.
Globe Complete Manure.
Linden Super Phosphate.
Magic Guano.
McAfee's Potato Grower.
McAfee's Standard Ammoniated Bone Phosphate.
Sangston's Cereal and Plant Food.
Slingluff's Tobacco Bed Fertilizer.
Slingluff's Top Dresser.
Special Mixture.
Tornado Fertilizer.
Trucker's Favorite.

MARYLAND GRANGE AGENCY, BALTIMORE, MD.

Agency's Favorite.

MAPES FORMULA AND PERUVIAN GUANO CO.

Potato Manure.

F. MAYNARD, BALTIMORE, MD.

High Grade Maynard's Choice
High Grade Maynard's Pride.
Special Vegetator.

F. MEHRING, BRUCEVILLE, MD.

Acid Phosphate.
Dissolved Raw Bone.

Emmert's Half and Half.
General Crop Grower.
Twenty-six Dollar Phosphate.

G. W. MILLER, BALTIMORE, MD.

Miller's Mixture.

C. H. MILLER, LOYS, MD.

Royal Wheat, Corn and Grass Mixture.

MILLER FERTILIZER CO., BALTIMORE, MD.

Ammoniated Dissolved Bone.
Clinch Phosphate.
Ground Bone.
Harvest Queen Phosphate.
Hustler Phosphate.
Potato and Vegetable Grower.
No. 1 Potato and Vegetable Grower.
S. C. Rock.
Special Tobacco Grower.
Special Tomato Grower.
Standard Phosphate.

G. R. MOWELL, GLENCOE, MD.

Dissolved S. C. Rock.
Standard Bone Phosphate

J. B. NICHOLS & SON, BALTIMORE, MD.

Farmers' Friend.

NICKERSON FERTILIZER CO., EASTON, MD.

Advance Guano.
Bone and Potash.
S. C. Phosphate.
Truck Guano.

G. OBER & SONS CO., BALTIMORE, MD.

Avondale Ammoniated Dissolved Bone.
Dissolved Animal Bone.
Dissolved Bone Phosphate.
Dissolved Bone Phosphate and Potash.
Farmer's Mixture.
Farmer's Standard Ammoniated Phosphate.
Fish, Bone and Potash Mixture.
Fish and Potash Fertilizer.
Ober's Special Compound for Tobacco.

Pure Bone Meal.
Special Plant Food.
Special Tobacco Bed Fertilizer.

PACKER'S UNION FERTILIZER CO., NEW YORK CITY.

Acidulated Bone.
American Wheat and Rye Grower.
Banner Wheat Grower.
Universal Fertilizer.

PATAPSCO GUANO CO., BALTIMORE, MD.

Baltimore Soluble Phosphate.
Coon Brand Guano.
Dissolved Raw Bone.
Grange Mixture.
Patapsco Corn and Tomato Fertilizer.
Patapsco Early Trucker.
Patapsco Fish Guano.
Patapsco Grain and Grass Producer.
Patapsco High Grade Bone and Potash.
Patapsco Pure Dissolved S. C. Bone.
Patapsco Soluble Bone and Potash.
Patapsco Special Wheat Compound.
Patapsco Tobacco Fertilizer.
Patapsco Tobacco and Potato Fertilizer.
Pure Ground Bone.
Sea Gull Guano.

O. H. PEARRE, UNION BRIDGE, MD.

Farmer's Choice.
No. 1 Bone Phosphate.
Union Bridge Favorite.

PIEDMONT-MT. AIRY GUANO CO., BALTIMORE, MD.

Insula Guano for All Crops.
Levering's Excelsior.
Mt. Airy Garden and Truck Fertilizer.
Piedmont Guano for Tobacco.
P. P. P. Piedmont Potato Producer.
Piedmont Pure Raw Bone Mixture.
Piedmont Royal Ammoniated Bone.
Piedmont Soluble Bone and Potash.

R. H. POLLOCK, BALTIMORE, MD.

Accomac Trucker.
Ammoniated Bone Phosphate.
T. M. Brambles & Co., Pea Grower.
T. M. Brambles & Co., Special Tomato Fertilizer.
Dissolved S. C. Bone.

Owl Brand Guano.
Soft Ground Bone.
Soluble Bone Phosphate.
Special Potato and Tobacco Fertilizer.
Sup. Corn and Tomato Fertilizer.
Victor Bone Phosphate.

W. S. POWELL & CO., BALTIMORE, MD.

Bone and Potash.
Dissolved S. C. Bone.
Red Bag Fertilizer.

RAMSBURG FERTILIZER CO., FREDERICK, MD.

Alkaline Phosphate.
Ammoniated Bone Phosphate.
Corn and Potato Fertilizer.
Dissolved Animal Bone.
Dissolved Bone Super-Phosphate.
Excelsior Plant Food.
Old Virginia Compound.

RAISIN-MONUMENTAL COMPANY, BALTIMORE, MD.

Monumental Acid Phosphate.
Monumental Arundel Complete.
Monumental Potato Manure.
Monumental Soluble Bone Phosphate and Potash.
Monumental Special Fish and Potash Mixture.
Monumental Wm. Penn Crop Grower.
Raisin's Acid Phosphate.
Raisin's Ammoniated Alkaline Phosphate.
Raisin's Ammoniated Super-Phosphate.
Raisin's Bone and Potash.
Raisin's Dissolved Bone.
Raisin's Empire Guano.
Raisin's IXL Fertilizer.
Raisin's XXX Bone and Potash.

THE HENRY RECKORD MFG. CO., BEL AIR, MD.

Animal Bone Phosphate.
Fine Ground Bone.
Raw Bone.
Special Compound.

REDDEN, PARADEE CO., POCOMOKE CITY, MD.

Dryden's Super-Phosphate.
Special Potato.

JOHN S. REESE & CO., BALTIMORE, MD.

Ammoniated Bone Phosphate Mixture.
Crown Phosphate and Potash.
Dissolved Phosphate of Lime.

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No. 2.

No. 3.

ISAAC ROBINSON, BALTIMORE, MD.

Peerless Phosphate.

Pa. Special Mixture.

Potashed Bone.

Pure Dissolved Raw Bone.

Pure Raw Bone.

Special Potato and Tomato Phosphate.

Special Wheat and Grass Phosphate.

Standard Dissolved Bone Phosphate.

W. E. ROBINSON, BEL AIR, MD.

Potato Manure.

Tomato Grower.

Vegetable Fertilizer.

CHARLES SCHAEFFER, WESTMINSTER, MD.

Big Gun.

Governor.

H. G. Acid Phosphate or Dissolved S. C. Rock.

Leader.

Pride.

Super A.

SCOTT FERTILIZER CO., ELKTON, MD.

Elk Head Super-Phosphate.

Potato Fertilizer No. 2.

Pure Ground Raw Bone.

Standard Phosphate.

Sure Growth Compound.

Sure Growth Super-Phosphate.

Tip Top Soluble Bone.

Tip Top Soluble Bone and Potash.

SHARPLESS AND CARPENTER, PHILADELPHIA, PA.

Dissolved Bone Phosphate.

Gilt Edge Potato and Tobacco Manure.

SOUTHERN FERTILIZER CO., YORK, PA.

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Farmer's Choice.

General Crop Grower.

Soluble Bone and Potash.

Special Potato Grower.

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Champion Fertilizer.
Dissolved Bone Phosphate.
Special.

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Ammoniated Bone Phosphate.
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Grain and Grass Producer.
Potato Phosphate.
Pure Bone Phosphate.
Pure Ground Bone.
Special Tomato Compound.
Soluble Bone and Potash.
Superior Rock Phosphate.
XXV Phosphate.

GEO. E. THAWLEY, CENTREVILLE, MD.

Special Wheat Formula, No. 1.

D. A. THOMAS, HAGERSTOWN, MD.

Bone Mixture.

I. P. THOMAS & SON, PHILADELPHIA, PA.

Fish Guano.
Normal Bone Phosphate.
Potato and Tomato Manure.
S. C. Phosphate.
Tip Top Raw Bone Super-Phosphate.

H. S. TAVEAU CO., BALTIMORE, MD.

Allerton.
Special Compound.

WM. B. TILGHMAN & CO., SALISBURY, MD.

High Grade Fish and Potash.
Irish P.
Mixture B.
No. 2 Fish Mixture.
Standard Fish Mixture.

E. S. TRUITT, SALISBURY, MD.

Fish Mixture XX.

TURNER & SON, BETTERTON, MD.

Special Tomato Compound.
Truck Guano.

TYGERT-ALLEN FERTILIZER CO., PHILADELPHIA, PA.

Allen's 5 per cent. Guano.
Allen's 7 per cent. Guano.
Dissolved S. C. Rock.
Gold Edge Potato Guano.
Soluble Bone and Potash.
Standard Bone Phosphate.
Star Bone Phosphate.

J. TYSON & SON, FREDERICK, MD.

Ammoniated Super-Phosphate.

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Fish Mixture.
No. 2.
Poudrette.

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Corn Fertilizer.
Electric Dissolved Bone.
H. G. Tomato.
Potato Manure.
Royal Wheat Grower.
Wheat and Clover Fertilizer.

WILLIAMS & CLARK FERTILIZER CO., NEW YORK CITY.

Acorn Brand Acid Phosphate.
Fish and Potash.
Pea, Tomato and Corn.
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Favorite Truck Fertilizer.
Peninsula Phosphate.

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Champion Giant.
Chieftain.
Double Quick.
Liberty Bell Potash Mixture.
Old Sledge.
Special Potato.
Sweep Stakes.
Triumph.
Florida Acid Phosphate.

THE ZELL GUANO CO., BALTIMORE, MD.

Ammoniated Bone Super Phosphate.
Dissolved Bone Phosphate.
Economizer Phosphate.
Electric Phosphate.
Pure Dissolved Animal Bone.
Special Compound for Potatoes and Vegetables.

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R. W. SILVESTER, President,
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